**802. 19 Liaison Report**

**By Shu Kato**

1. **802.19 has about 30 voters** and all meetings for TG1-a has been cancelled due to Chair’s unavailability in Bangkok
2. **802.19** had three time slots for this interim meeting. Monday PM2, Thursday AM2 and PM1 (closing)
3. The hot issue is **co-existence of cellular systems and WiFi in 5 GHz band** and Chair explained the current status on the information exchange between IEEE802 and 3GPP focusing on the workshop held in Beijing on August 29, 2015. Also, Andrew Myles of Cisco gave a presentation (19-15-0079-01-0000 (discussion-of-issues-related-to-en-301-893)) on “IEEE802 and BRAN (ETSI Approach on this)”, Thursday PM2.

The American situation and the Workshop contents are summarized below.

1. **LTE-U (USA only)** has been moving well (in Hawaii meeting, a presentation was given by cellular guy, 802.19-57r1)
2. **Co-existence of 3GPP LTE and 802.11 in 5 GHz band - Going to be 3GPP Standard** (This is the biggest topic in 802.19)
3. On August 29, **3GPP Licensed-Assisted Access (LAA) Workshop** was held in Beijing China that attracted about **200 attendees** (178 registered)
4. There were **6 presentations including two from IEE802 and WiFi Alliance.**
5. Ericsson as a rapporteur reported from 3GPP side
6. **IEEE802 (802.19-15/0069r7) presented at the workshop** stressing on the necessity of **collaboration** between LAA and 802.11 stakeholders and suggested to have **a neutral test platform for fair sharing of the coexistence data** (lengthy presentation over 50 PPTs)
7. **WiFi alliance** presented **on simulation tools** for co-existence and proposed **ns-3** as a simulation tool for both commonly and popularly used in LTE and Wifi.

a. WiFi alliance has been trying to validate LAA products by their co-existence test set and **recommend cell phone carriers** to test how their LAA products to meet the WiFi Alliance co-existence tests

b. WiFi Alliance will **update and provide co-existence tests for LAA products** and will work closely with 3GPP

1. WBA presentation
2. Cable guys presentation
3. GM presented on WiFi Aps in the car should be treated fair
4. IEEE802 is supposed to input to LAA further such as simulation scenarios and co-existence test set WiFi Alliance has been using,
5. At the end of 3GPP Licensed-Assisted Access (LAA) Workshop summarized **future step** as following:
6. Co-existence Scenario Description
7. Co-existence Metrics (back-off, throughput, latency, and so on)
8. Test Plan Description
9. **Time frame and some points**
10. The target to close this issue will be March 2016 (a 3GPP guy said)
11. Points
12. Basically, co-existence issue is an independent issue for both parties as far as each meets local legal regulations
13. Co-existence for LAA and WiFi is a “Nice to have” but not “must”
14. IEEE802 can suggest how to test but can not certify LAA products
15. **Others**
16. IEEE802 Chair Paul Nikolich mentioned that IEEE802 should prepare Standard Co-existence Test doc. – however, this may take at least several years and it will be too late for LAA guys
17. The best way might be that IEEE802 inputs “how to test co-existence” to LAA and they implement them so that co-existence performance data could be shared by both parties.